



Department of Commerce

Safety & Buildings Division

201 West Washington Avenue

P.O. Box 2689

Madison, WI 53701-2689

Approval #

990001-U (Replaces 930084-U)

Wisconsin Material Approval

Material

Double Wall Aboveground Storage Tank

Manufacturer

Derson Manufacturing, Inc.
200 Madison Street
P.O. Box 849
Watertown, MN 55388

SCOPE OF APPROVAL

The double wall above ground storage tank manufactured by Derson Manufacturing, Inc., has been evaluated for conformance with **section ILHR 10.415** of the current edition of the Wisconsin Administrative Flammable and Combustible Liquids Code, chapter ILHR 10.

DESCRIPTION AND USE OF MATERIAL

The Derson tank is an aboveground double wall steel storage tank. It is available in either vertical or horizontal configurations with capacities up to 30,000 gallons. A built in monitoring well is provided. The Derson tank uses a UL-approved saddle and skid design.

TESTS AND RESULTS

Underwriters Laboratories, Inc. has tested and listed the tank in accordance with UL Standard 142. UL has also approved the saddle design.

LIMITATIONS OF APPROVAL

The Derson double wall tank is approved for compliance with the secondary containment requirements of **ss. ILHR 10.345 (1) and 10.415 (7)(b)** and may be used without a dike, except in the case of public-access waste oil collection. Tanks for public-access waste oil collection shall be provided with a dike in accordance with **s. ILHR 10.33**.

Tanks up to 10,000 gallons may be used for vehicle fueling in accordance with **s. ILHR 10.415**.

All tanks, regardless of capacity, shall have a minimum total wall thickness (heads and shells) of 7/16-inch. This is deemed sufficient to meet the projectile protection requirement of **section ILHR 10.415 (7)(b)**.

Double wall tanks with lesser wall thicknesses may be used inside a building without a dike subject to the requirements of **s. ILHR 10.335 (2) and NFPA 30**.

Compartmentalized tanks shall be constructed with a double bulkhead in accordance with UL Standard 142. This interstitial space between compartments shall be monitored for leaks.

A spill container shall be provided at the fill opening in accordance with **s. ILHR 10.415 (12)(a)**.

Separate vehicle collision protection shall be provided by a barrier that meets the design requirements specified in **s. ILHR 10.415 (8)(a)**.

No attachments shall be made to the tank which violate or void the UL listing.

The horizontal tank shall be installed to allow full visual inspection of the secondary containment system.

The vertical tank shall have the bottom sandblasted and coated with a corrosion resistant paint such as an STI-P3 coating. The tank shall be placed on a concrete or similarly impervious pad with an area large enough to fully support the entire tank bottom. Vacuum tightness testing shall be conducted by the owner at least annually after the tank is ten years old.

The interstitial space shall be monitored for leaks. The monitor must be capable of detecting a leak from anywhere in the inner tank.

The installer shall be certified by the department in accordance with chapter Comm 5.

This approval will be valid through December 31, 2004, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The Wisconsin Material Approval Number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement not specified in this document.

Reviewed by: _____

Approval Date: _____ By: _____

Duane Hubeler, P.E.
Code Consultant
Program Development Bureau

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